COBRA

Electric Pole Pruner

P20E

WARNING! Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, hire and/or serious injury.
Keep this manual safe.

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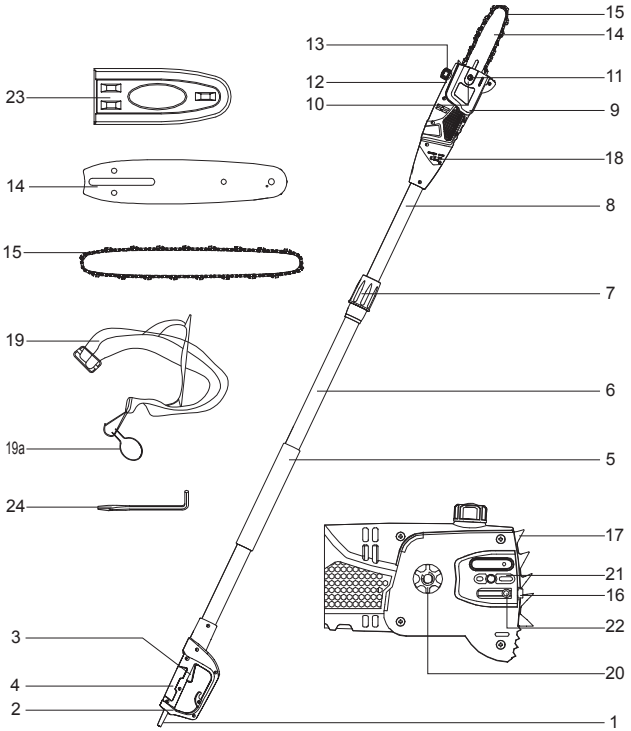


Description of Electric Pole Saw

1	Power cord	2	Handle
3	ON/OFF switch	4	Lock-off button
5	Soft grip	6	Pole
7	Locking sleeve for pole extension	8	Pole extension
9	Side cover	10	Cover insert
11	Hex screw	12	Oil tank
13	Oil tank cap	14	Guide bar
15	Saw chain	16	Tension screw
17	Spike bumper	18	Vents
19	Harness	20	Sprocket
21	Rail	22	Tension pin
23	Scabbard	24	Multi-tool

1. Introduction

Thank you for purchasing a Cobra Electric Pole Pruner.

We believe that, properly maintained, this unit will provide years of trouble-free operation and you can fully appreciate its quality, performance and comfort

This saw has been designed and manufactured with the utmost care in accordance with strict standards of security, reliability and ease of use Cobra products.

Please read this manual carefully. Familiarise yourself with all the components of the pole saw before starting to use it for the first time.

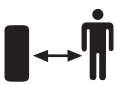
Please follow all the comments, explanations and instructions in this manual for optimal and safe use of this product

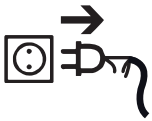
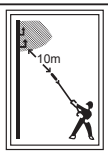
2. Safety Instructions

Your pole saw should always be used in accordance with this manual.

2.1 Safety Symbols and Labels

IMPORTANT : Some of the following symbols may be used on your tool. Be sure to study them and learn their meaning.
Proper interpretation of these symbols will allow you to use the machine more effectively and reduce the risk of accident.

	Danger! Warning! Caution! This symbol indicates a danger, warning or caution. It indicates that the operator security is at risk.
	Read the instruction manual The instruction manual contains information designed to draw attention to the possible problems of safety, the risk of damage to the machine as well as useful tips for startup, operation and maintenance. Please observe all notes, explanations and instructions in this manual extras for optimal and safe use of this product.
	Keep a safe distance The operator is responsible for the safety of others present in the work area of the machine. Never use the pole saw while others, especially children, or even pets, are nearby.
	Wear protection Wear eye and ear protection when using the saw.
	Wear sturdy non-slip shoes

	Wear protective gloves
	Wear protection Wear suitable close-fitting clothing such as work gloves, eye and ear protection, and non-slip shoes when using this pruner
	Maintenance of the machine Remove the plug from the socket before all adjustment operations, cleaning, transport, maintenance or when you leave it unattended
	Do not expose the unit to rain Never expose the machine to rain or wet conditions. Do not use this machine in the rain
	Damaged power cord Never use an appliance when the power cord is damaged or frayed. Do not touch. Remove the plug on the power cord from the electrical outlet immediately.
	Always beware of the danger from overhead electric-power lines, keep a safe distance of at least 10 metres from the power line.
	Electrical Hazard This device operates with a dangerous voltage.
	Double insulation For your safety, this appliance is equipped with double electrical insulation. Therefore it is not necessary that it be connected to a grounded outlet
230V~ 50Hz	Check that the voltage and frequency indicated on the nameplate affixed to the device correspond to those of the power grid
	Recycling This product must not be disposed of with household waste. It should be deposited at the collection site for the recycling and recovery of electrical and electronic waste

2.2 Before using the pole saw

- Study this manual thoroughly
- Familiarise yourself with the operation of the pole saw and learn to use it properly.
- Never allow others (especially children) who have not read the manual to use the machine.
- If the unit must be given to other people, give them this manual to study
- Never remove the labels or security elements.
- Check that the voltage and frequency indicated on the nameplate affixed to the electric pole saw correspond to the power electricity supply.
- Check the oil level before each use. Never use the pole saw without oil in the tank or when the amount of oil is low.
- Check the condition of the guide bar, saw chain, fasteners and safety components before each use. Replace excessively worn or missing parts.
- Do not turn on the machine if the chain side cover is not installed or when the guide bar is damaged or missing.
- To connect the machine to the power supply, use only appropriate and compliant equipment in perfect condition.
- Keep cord away from the radius of action of the saw and make sure it is not subjected to tension. Move the cable away from water, heat and sharp edges.
- Do not cut near other electrical equipment. Do not put force on the power cable.
- Never use the cord for carrying, pulling or unplugging the machine.
- Do not use the machine if the Power On / Off does not work properly. If necessary, contact your dealer for any repair.
- Never expose the electric pole saw to rain or moisture. Never allow water or other liquids to enter the machine.
- Do not operate the electric pole saw in environments with flammable items such as liquids, gases or dust. The sparks generated by the operation of the machine can cause an explosion.
- Do not start cutting until the work area is clear and cleaned properly. Keep the work area clean and tidy to reduce the risk of accidents.
- During the first use, it is recommended that the user be accompanied by a person experienced using pole pruning saws.

2.3 When using the pole saw

- Operate the electric pole saw only in daylight or good artificial lighting.
- The use of power equipment can be regulated. Remember to comply with legal regulations which may differ from one location to another.
- Do not use the machine if you are tired or ill. Also avoid use if you have consumed alcohol or taken drugs. A moment of inattention can result in serious injury.
- Wear close-fitting clothing of good quality to help protect yourself from cuts. Always wear long trousers, sturdy non-slip shoes, and protective equipment such as gloves, goggles, a helmet with a visor and acoustic shield.
- Make sure the trigger switch is turned off before connecting the electric pole saw plug

to the power supply to avoid sudden and unexpected accidents.

- Do not allow anyone to remain in the working area of the electric pole saw during use. Keep people, children and animals away from the work area. If it is group work, keep sufficient distance between people.
- Make sure that the handles are clean and dry. When the machine is running, always firmly grip the tube with your left hand and the rear handle with your right hand.
- Always work in a stable position, on balanced and firm ground. Do not work on slippery or unstable ground. Choose a safe place to fall branches.
- Hold the saw firmly with both hands. Put yourself in a position that allows you to withstand the forces of kickback. Never let go of the pole saw
- Do not saw with the tip of the saw guide bar.
- During cutting, some tension on wood may be released suddenly and cause sudden or hazardous releases.
- Never operate a damaged machine repaired poorly, poorly fitted or changed arbitrarily
- Do not overload the machine. Always use the proper equipment for the job.

WARNING: To reduce the time of exposure to vibration and noise, it is preferable to use the machine with frequent breaks, and limiting the duration of continuous work.

WARNING: The vibration level during actual use of the chainsaw may differ from the declared depending on what material is beinǵ cut with different factors such as stem diameter`density and fibre composition to name a few.

2.4 After using a pole saw

- Always unplug the unit from the power supply before performing any service or adjustments.
- Only carry the pole saw when it is unplugged and completely stopped. Hold the machine by the front handle, the guide bar turned back and the protective scabbard in place.
- Always follow the instructions provided for maintenance. After each use, check the operation of safety devices, setting, tension and condition of parts. Maintain unit correctly. Replace worn or damaged parts.
- The electric pole saw should be serviced by an authorised Cobra Service Agent. For safety reasons, use only original spare parts approved by Cobra Garden.
- Keep the electric pole saw clean and always store in a dry place with the protective scabbard in place. Store power tools in a place out of reach of children.
- Keep this manual safe and consult it whenever you use the machine.

3. Instructions for use

Unauthorised modification to the machine can be dangerous and lead to severe injury during use. Cobra Garden disclaims any liability in case of misuse or failure to comply with the instructions and / or regulations in place.

3.1 Cleaning, storage, transportation and Maintenance

Before any work on the electric pole saw, disconnect the plug from the outlet.

3.1.1 Cleaning the pole saw

Regular cleaning after use will ensure better functioning of the electric pole saw and reduce the risk of corrosion or rust.

CAUTION: Never immerse the electric pole saw in water or any other liquid for cleaning. Never clean the appliance with high pressure water.

After stopping the device and allowing it to cool, remove the cutting debris accumulated under the cover by blowing with compressed air or cleaning with a brush. If necessary, wipe it with a soft damp cloth.

3.1.2 Storage and transport of the saw

- Store your pole saw in a dry, temperate and dark place. Store in a place out of reach of children.
- For long term storage, drain the oil tank and grease the chain and chain guide beforehand.
- Only carry the pole saw when it is unplugged and completely stopped. Hold the unit by the front handle, with the guide turned back and the protective scabbard in place

3.1.3 Maintenance of the pole saw

Lubricating the chain

- This saw is equipped with an automatic chain lubrication system. Regularly check the oil level.
- To initiate the supply of oil on the chain, run the saw near the ground on full revs and look for a stream of oil on the bar and chain or the ground below.

Sharpening the chain

- For best results, sharpen the chain regularly, if at least once a year by a specialist workshop.

Note: A low oil level or a cutting with a dull chain can reduce cutting performance quickly.

4. Specifications

In keeping with our policy of continuous improvement, we reserve the right to change the design and configuration of any product without notice. Thus, the text and images of this manual and packaging are for illustrative purposes only and may not under any circumstances be the basis for a legal claim or another.

Model	**P20E**
Rated Voltage	230-240 V ~ / 50 Hz
Nominal Consumption	750 W
No-load Speed	6000 min^{-1}
Guide Bar	200 mm
Cutting length	ca. 17,5 cm
Variable height adjustment	from 1.90 m to 2.85 m
Working height	up to 4.5 m
Chain speed	11 m/s
Oil	110 ml
Weight with bar+chain	3.4 kg
Chain type	91PJ033X
Guide Bar type	080SDEA041
Class of Protection	Double Isolation Class II
Sound Pressure Level EN ISO 11680-1:2008	90 dB(A)
Guaranteed sound power	108 dB(A)
Vibration EN ISO 11680-1:2008	2,7 m/s^2 K = 1,5 m/s^2

5. Problems and solutions

Malfunction	Probable cause	Troubleshooting
The unit does not start / not work	There is no current	Check the power source. If necessary, change the source
		Check the condition of the cord or plug. If they are damaged, replace them.
	The carbon brushes are worn	Please contact your local dealer.
	The switch is faulty or defective	Please contact your local dealer.
The electric pole saw works intermittently	The power cord is damaged	Please contact your local dealer.
	The switch is faulty or defective	Please contact your local dealer.
The chain is dry	No oil in the tank	Fill with approved oil
	The tank cap vent is clogged with oil	Wipe the top of the oil tank
	The oil flow channel is clogged	Drain the oil tank and clean the compartment under the lid
Chain derails from the guide bar, generates vibration or won't correctly saw	The chain is too loose	Tension the chain
Difficult to slide the chain	The chain is too tight.	Re-adjust chain tension
Chain heats up excessively.	No oil in the tank	Add oil
	The chain is not lubricated sufficiently	Check the flow of oil. If necessary, unclog the oiler
	The chain is dull or worn	Sharpen the chain or replace the chain.
	The depth gauge link is facing towards the body.	Replace the chain so the depth gauge rotates in the cutting direction before the cutter plate.

6. Protection of the environment

To act for the protection of the environment, we recommend taking into consideration the following.

- Use a biodegradable lubricating oil
- Use a funnel to avoid spilling oil when filling
- Take care of your pole saw regularly and replace damaged parts.
- When your machine is at end of its life, return it to your dealer for recycling

Waste Disposal
According to the European Directive on the disposal of waste electrical and electronic equipment, power tools that are no longer usable must be collected and follow a path of appropriate recycling. Do not dispose of electric tools together with household waste.

7. After Sales Service

For more information or for after sales service, contact the dealer of the

machine. Use only original parts approved by Cobra Garden.

www.cobragarden.co.uk

Telephone 0115 986 2161

8. Guarantee

Cobra Garden ensures the replacement of all defective parts by a fault or a manufacturing defect for a period of 12-months from purchase date. In no event shall the warranty give rise to a refund of the equipment for any direct or indirect misuse of the machine than that of its intended purpose.

Cobra Garden accepts no liability for any damage caused to persons or property from using this machine.

The warranty does not cover:

- Abnormal or improper use of the pole saw
- A lack of maintenance
- A lack of oil
- A use for business or rental purposes
- The installation, adjustment and commissioning of the unit
- Damage or loss occurring during transport or movement
- The damage due to shock or fall
- Shipping and packing material (collect shipments will be refused by After Sales Service)
- The so-called wear of consumable service parts (chain guide, chain, the fasteners of the chain guide, lubricating oil etc.)

The warranty will terminate automatically if:

- Changes have been made to the machine without the express permission of Cobra
- Garden On the misuse, not in accordance with the instructions and/or regulations.
- On the use of parts not being original or approved by Cobra Garden.

9. Declaration of Conformity

We, the undersigned,

Cobra Garden, Henton and Chattell Ltd., London Road, Nottingham NG2 3HW UK

Declare that

The following products are appropriate and consistent with the basic safety Health and EC directives (see point 4), based on their design and type, as circulated by us.
This declaration relates exclusively to the machinery in the state in which they were placed on the market and excludes added and / or components operations carried out subsequently by the end user.

1. Description / Function : Electric Pole Saw

2. Type : P20E (4308)

3. EC directives : Directive machine 2006/42/EC
2004/108/EC on EMC
2000/14/EC the emission on noise
amended by directives 2005/88/EC

4. Harmonized standards :
EN 55014-1 :2006+A1 ; EN61000-3-2 :2006+A1+A2 ;
EN60745-2-13 :2009 ; EN61000-3-3 :2008 ;
EN60745-1/A11 :2010; EN ISO 11680-1 :2011 ;
EN55014-2/A2 :2008

5. Responsible for documentation :Peter J. Chaloner

Cobra Garden, Henton and Chattell Ltd., London Road, Nottingham NG2 3HW UK

Guaranteed sound power: 108 dB(A)
Sound Pressure level : 90 dB(A)

Conformity assessment body :
JIANGSU TÜV Product Service Ltd, Shanghai Branch, N°88 Hengtong Road, Shanghai 200070 P.R.China

TÜV SÜD Product Service Gmbh – Zertifizierstelle - Ridlerstrabe 65- 80339 München – Germany

Date : 2013-07-01

COBRA